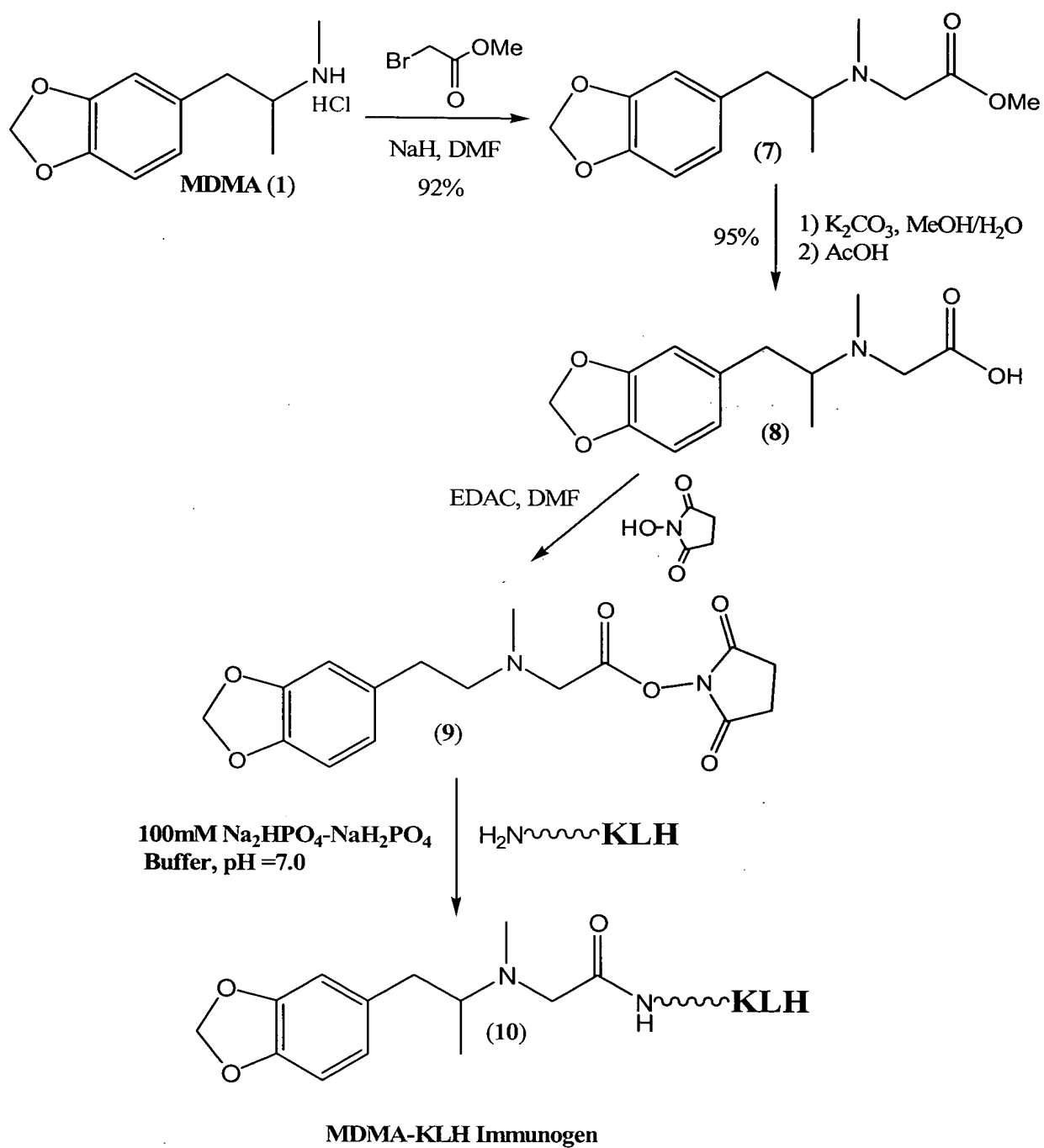


Figure 1. Synthesis of MDMA-KLH Immunogen (10)



**Figure 2. Synthesis of MDA-KLH Immunogen (14)**

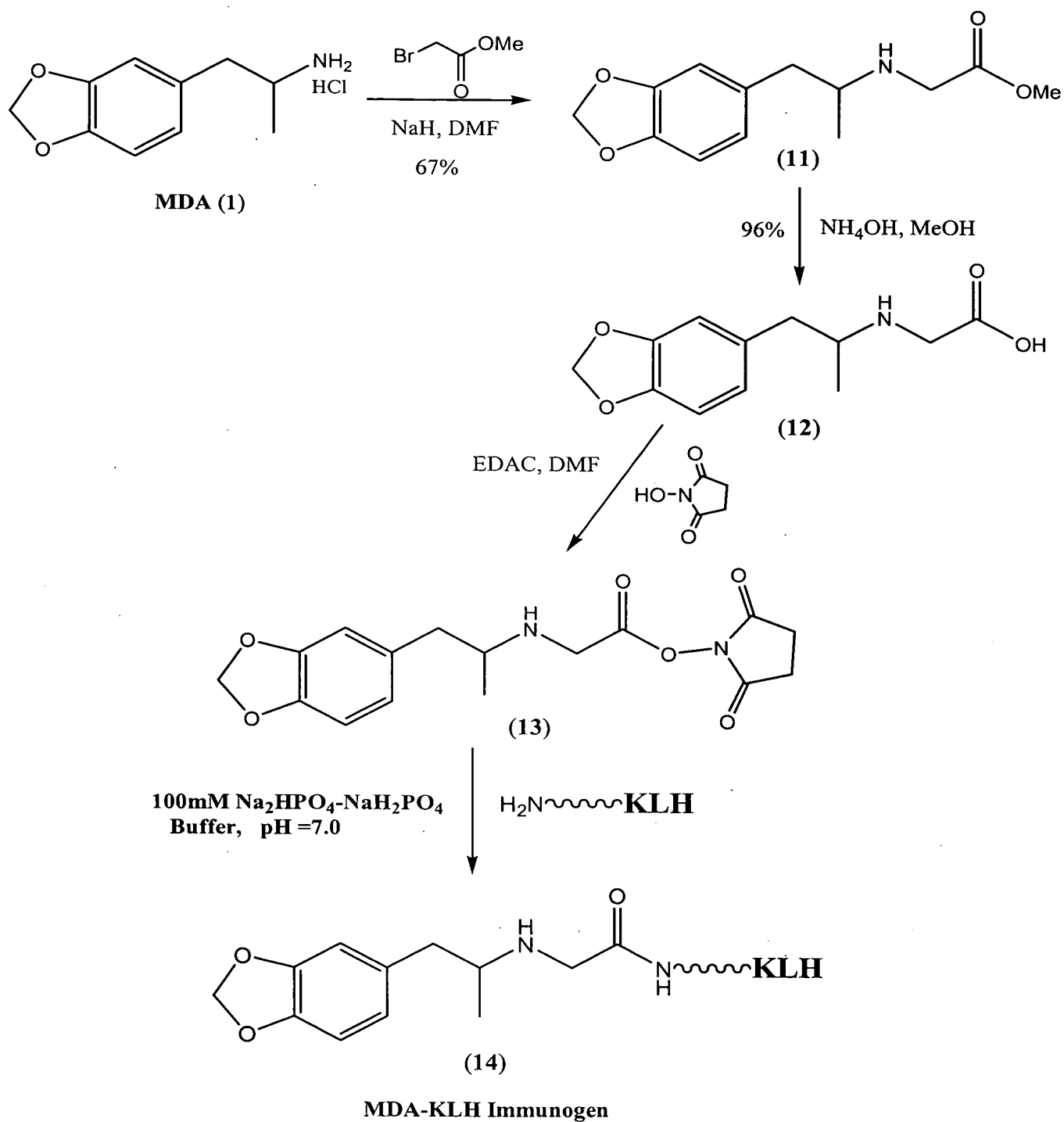




Figure 4A. Synthesis of MDA Haptens (18)-(19)

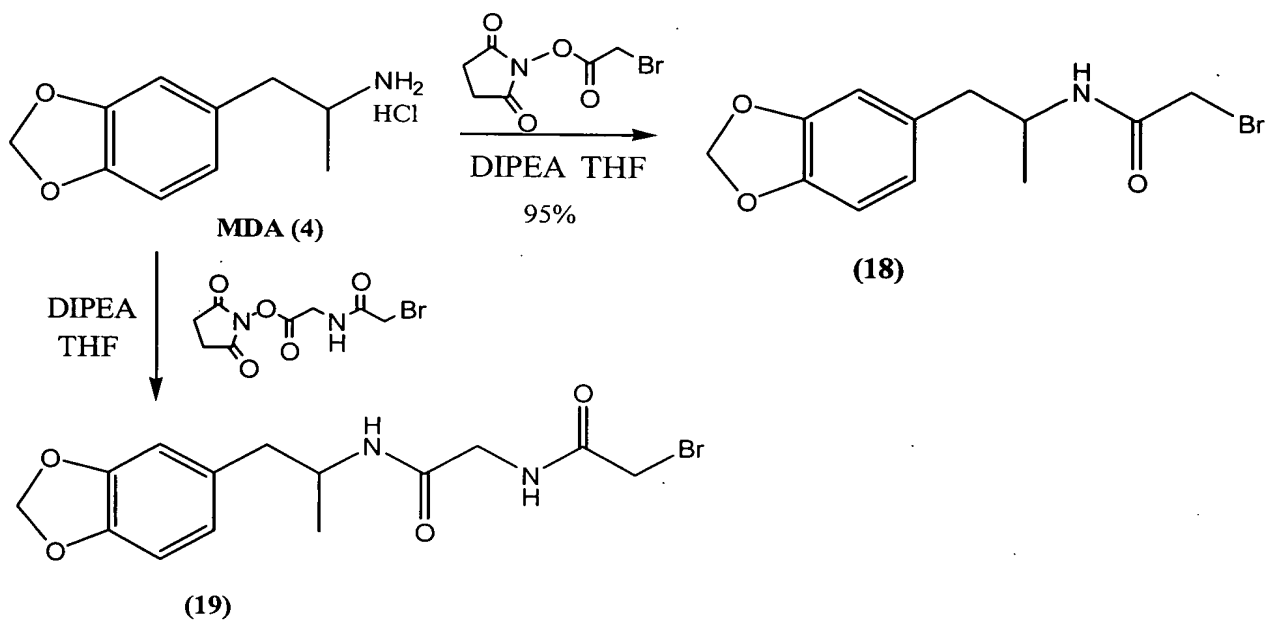


Figure 4B. Synthesis of MDA Hapten (20)

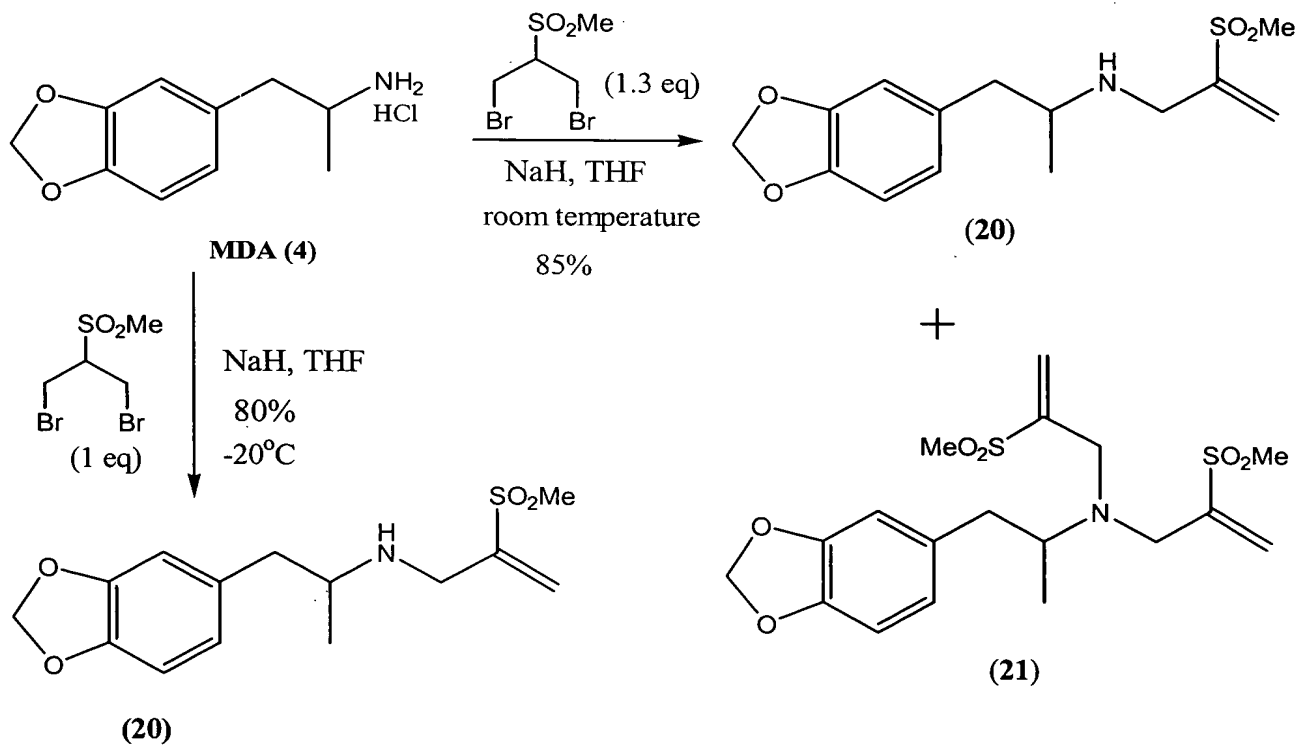
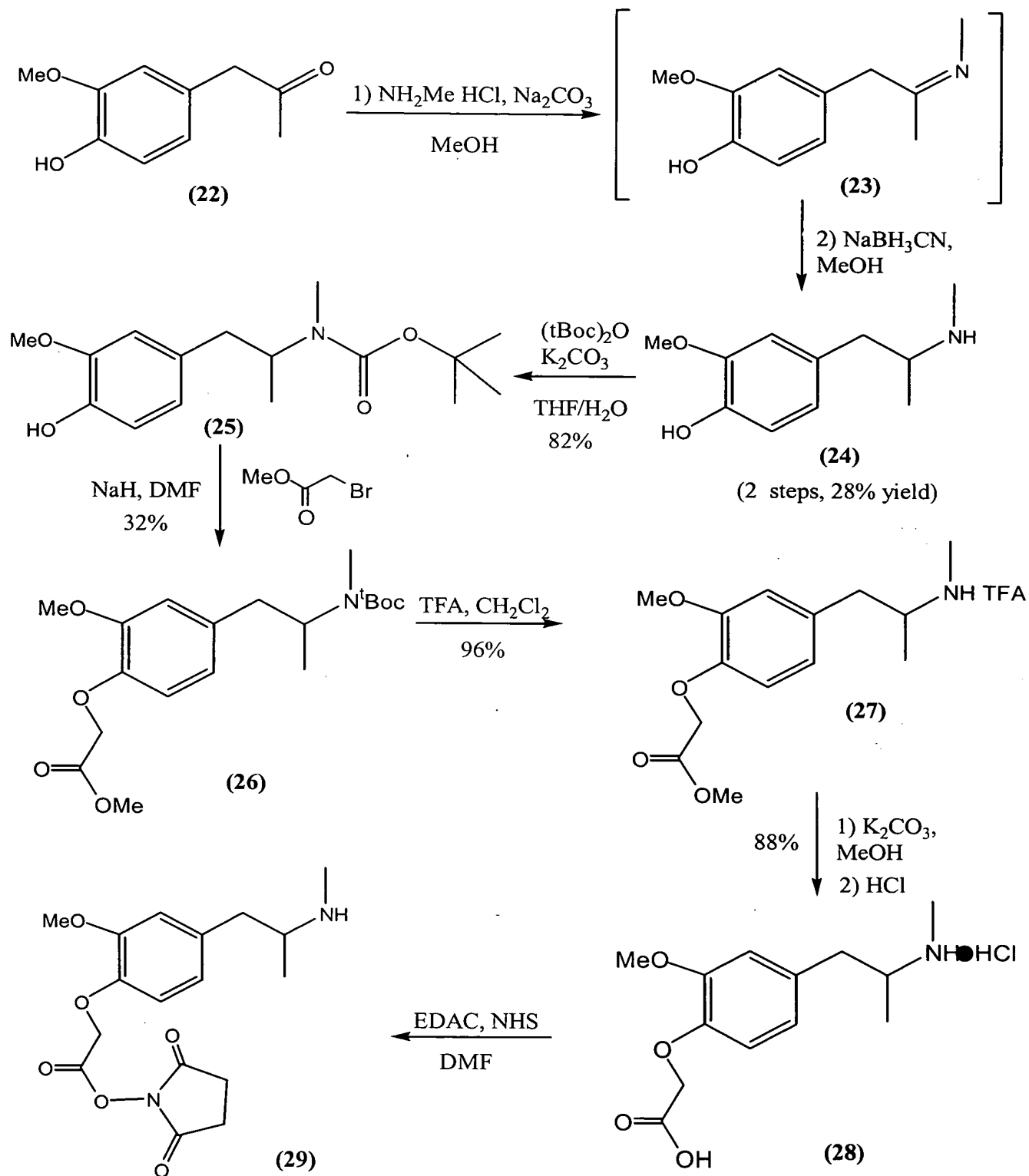


Figure 5. Synthesis of HMMA Intermediate (29) for Immunogen (30)



**Figure 6. Synthesis of HMMA-KLH Immunogen (30)**

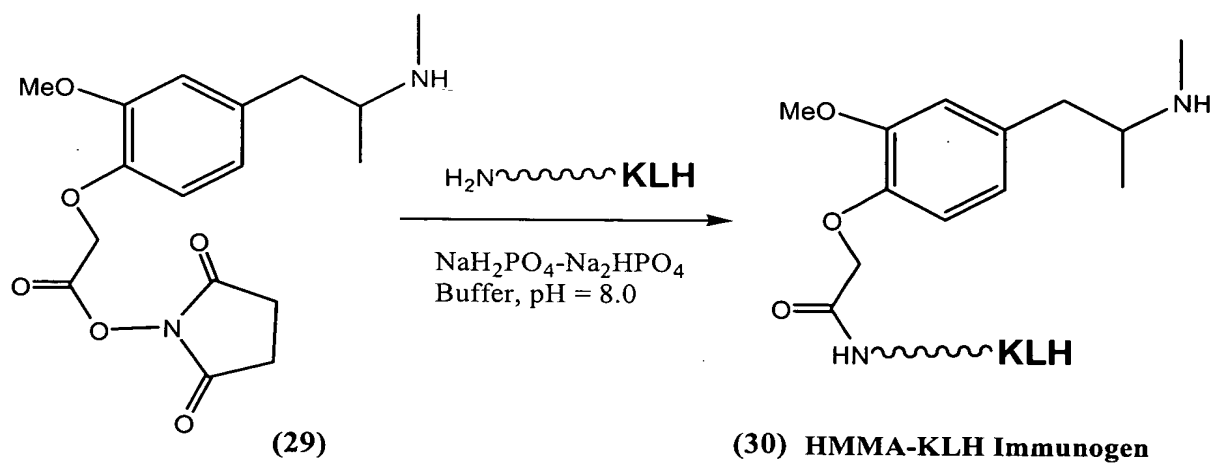
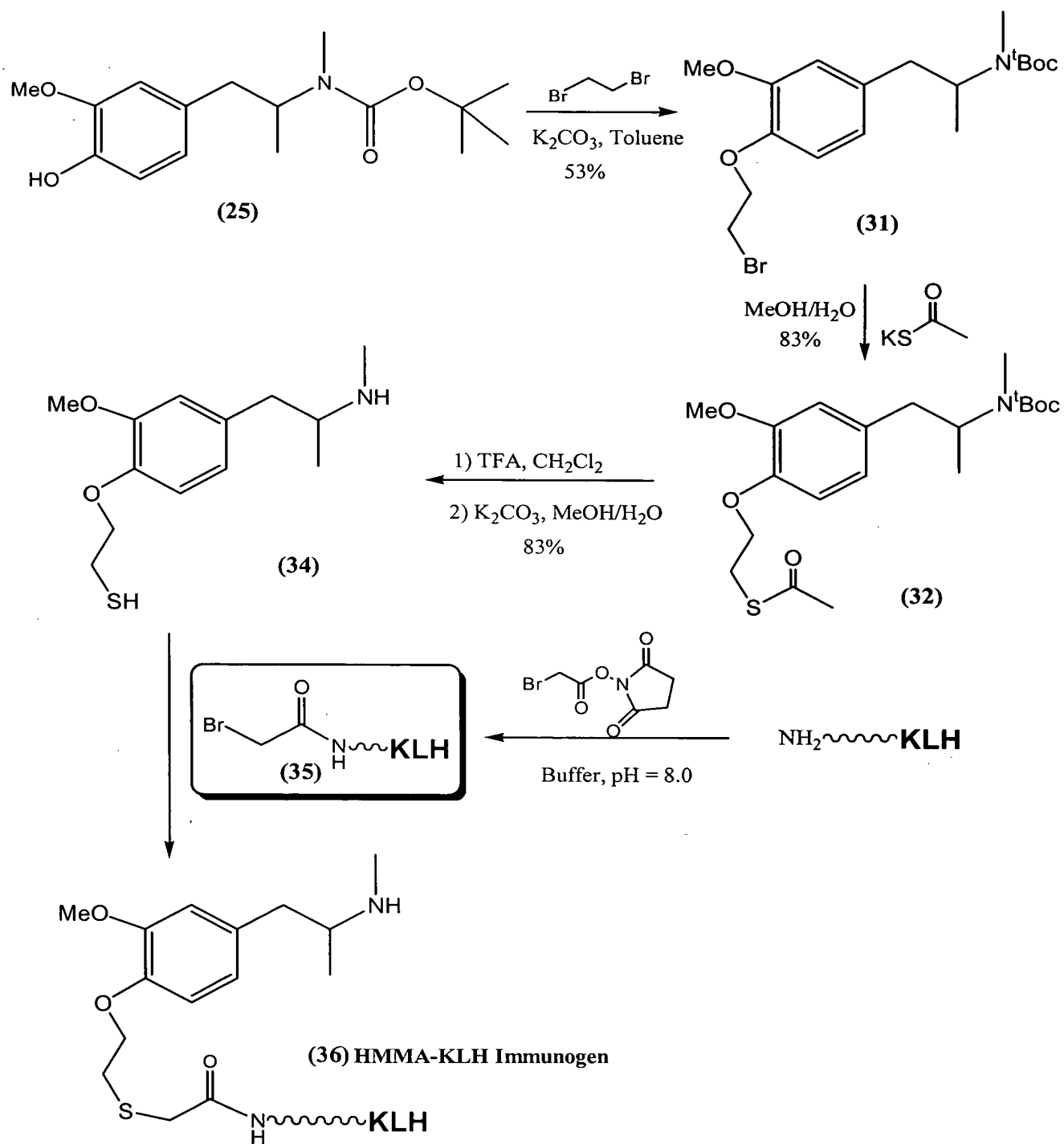
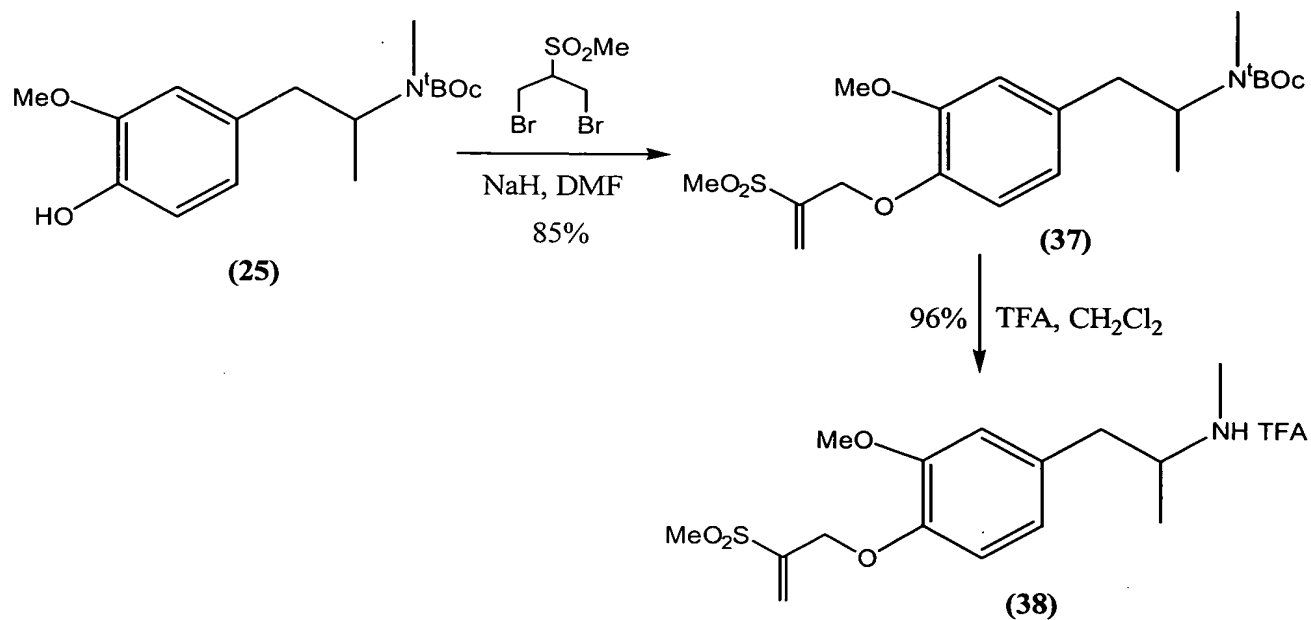


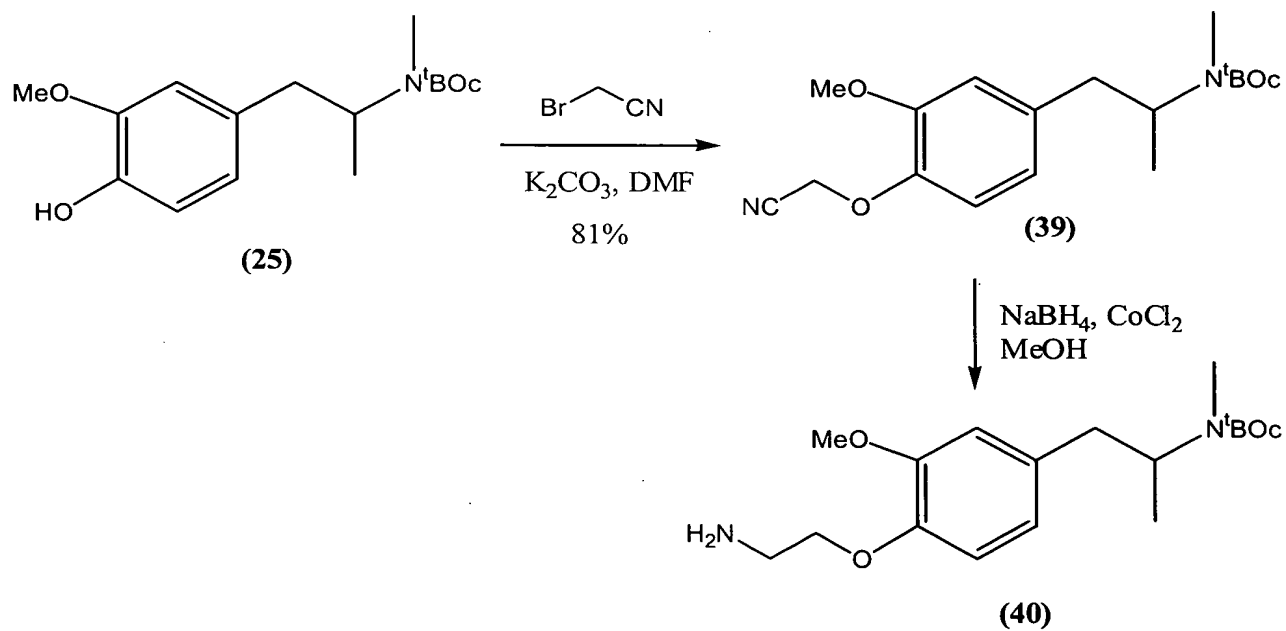
Figure 7. Synthesis of HMMA-KLH Immunogen (36)



**Figure 8A. Synthesis of MDMA Hapten (38)**



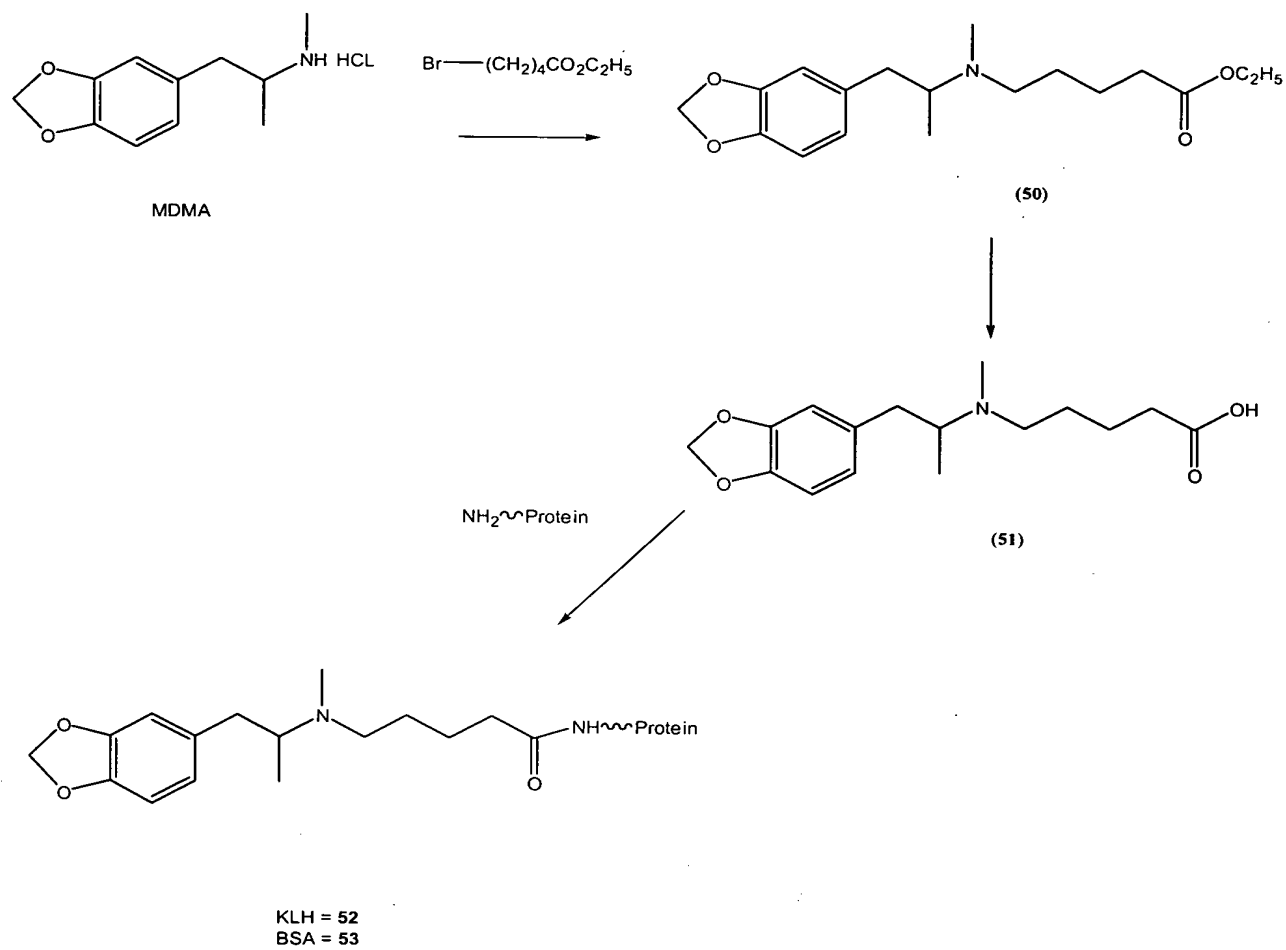
**Figure 8B. Synthesis of MDMA Hapten Intermediate (40)**





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FIG. 9



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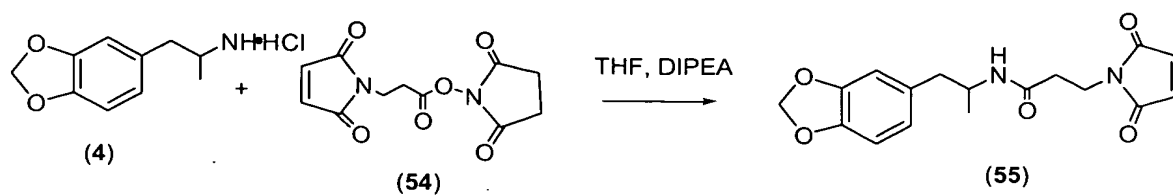


FIG. 10

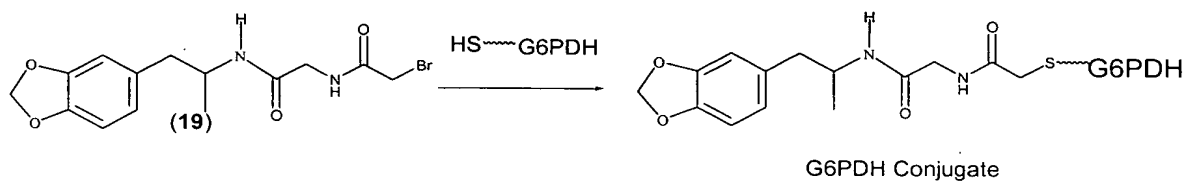


FIG. 11

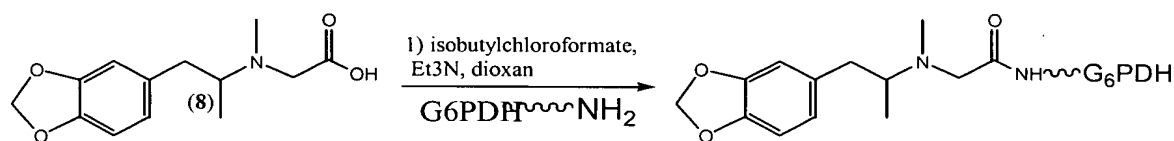


FIG. 12

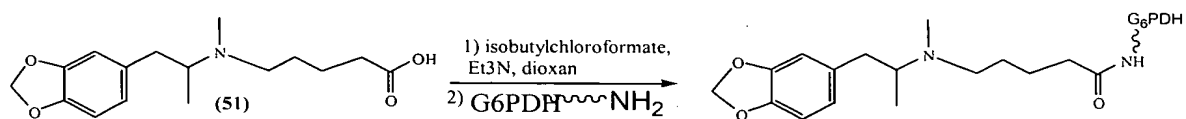
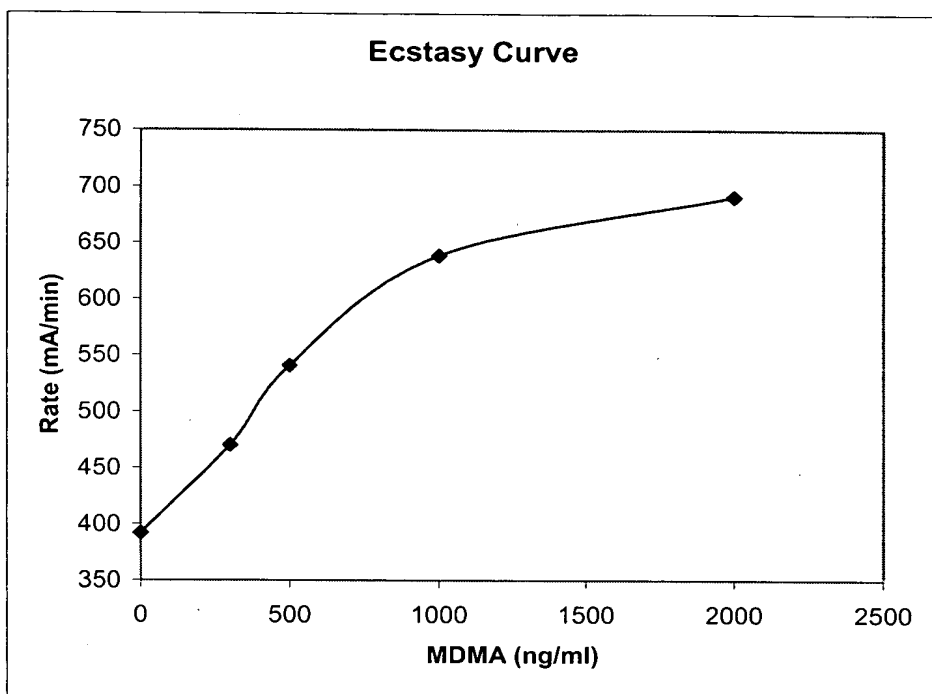


FIG. 13



**FIG. 14**

MDMA Recovery by the Ecstasy Assay

Nominal Ecstasy Concentration (ng/ml)	Ecstasy conc. (ng/ml)
200	191
250	241
375	360
450	428
750	730
1250	1222
1500	1478

**FIG. 15**